

## EAST Search History

| Ref # | Hits | Search Query  | DBs                                       | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 46   | yang-bill.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | ON      | 2006/08/02 09:57 |
| S11   | 1466 | 381/345,346,351.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | ON      | 2006/08/02 14:42 |
| S12   | 113  | S9 and (mini or micro or<br>microspeaker or compact or pda or<br>((cell or cellular) near2 phone))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | ON      | 2006/08/02 11:06 |
| S13   | 144  | S11 and (mini or micro or<br>microspeaker or compact or pda or<br>((cell or cellular) near2 phone)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | ON      | 2006/08/02 11:06 |
| S16   | 1466 | 381/345,346,351.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | ON      | 2006/08/02 13:53 |
| S17   | 237  | S16 and frame   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | ON      | 2006/08/02 14:32 |
| S19   | 407  | ("381".clas. or "181".clas.) and<br>(frame same (slice or protr\$4))                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | ON      | 2006/08/02 13:32 |
| S23   | 1612 | 181/148,145,171,161.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | ON      | 2006/08/02 13:54 |
| S24   | 1    | S23 and (frame with (resona\$4 near<br>chamber))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | ON      | 2006/08/02 13:55 |
| S25   | 2    | S23 and ((frame or support) with<br>(resonance near chamber))                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | ON      | 2006/08/02 13:55 |
| S26   | 9    | S23 and ((frame or support) and<br>(resonance near chamber))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | ON      | 2006/08/02 13:55 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S27 | 205  | ("381".clas. or "181".clas.) and ((frame or support) and (resonance near chamber))                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/08/02 14:02 |
| S28 | 144  | S27 not muffler   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/08/02 13:56 |
| S29 | 54   | ("381".clas. or "181".clas.) and (base and (resonance near chamber)) and (speaker or loudspeaker) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/08/02 14:00 |
| S30 | 361  | ("381".clas. or "181".clas.) and ((frame or support or base) with protrus\$4 or slice)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/08/02 14:03 |
| S31 | 173  | S30 and (speaker or loudspeaker)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/08/02 14:03 |
| S33 | 1344 | (181/171.ccls. or 381/361,388.ccls.)  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/08/02 14:23 |
| S34 | 687  | S33 and (speaker or loudspeaker)  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/08/02 14:22 |
| S42 | 1373 | 381/345,346.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/08/02 14:42 |
| S43 | 344  | S36 and (frame or base or support\$4 or mount\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/08/02 14:43 |
| S50 | 373  | speaker and (magnetic near2 loop)   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/08/02 16:22 |
| S51 | 70   | speaker and (magnetic near2 loop) and film  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/08/02 16:22 |